

REMARKS

Claims 1-3, 14, 16-29 and 31-32 are all the claims under consideration in the application. Claims 4-13, 15 and 30 have been cancelled. Attached are the amended claims labeled "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

A cross-reference to the parent application is added after the title. No new matter is added.

Applicants request prosecution of this application on the merits.

Respectfully submitted,



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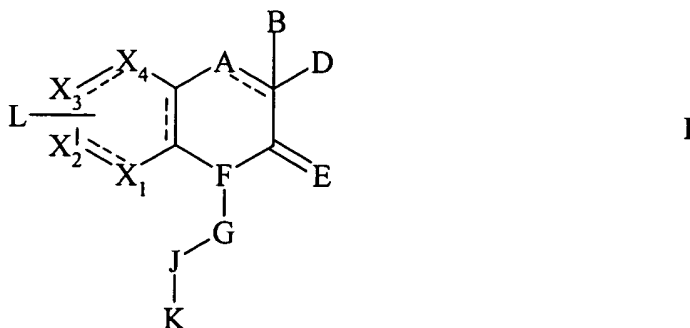
Attachment - Amended claims, Version with Markings to Show Changes Made

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

Claim 1 (amended). A compound according to Formula I



or stereoisomers or pharmaceutically acceptable salts, esters, or amides [or prodrugs thereof], wherein:

A is selected from [N, Nalkyl,] NCH₂, N(alkyl)CH₂, CH₂N, CH₂N(alkyl)[, NO];

B is selected from H, (C₃₋₂₀)alkyl, cycloalkyl, heteroalkyl, cycloalkylalkyl, heteroalkylalkyl, aryl, arylalkyl, heterocycle, heterocycloalkyl, each optionally substituted with R₁ and R₂;

D is selected from H, (C₃₋₂₀)alkyl, cycloalkyl, heteroalkyl, cycloalkylalkyl, heteroalkylalkyl, aryl, arylalkyl, heterocycle, heterocycloalkyl, each optionally substituted with R₁ and R₂;

E is absent or selected from O, S, NH;

F is selected from N, NCH₂, CH₂N;

G is absent or selected from alkyl, alkyl interrupted by one or more heteroatoms, cycloalkyl, cycloalkyl interrupted by one or more heteroatoms;

J is absent or selected from aryl or heterocycle each optionally substituted with R₁ and R₂;

K is absent or selected from an alkyl, alkyl interrupted by one or more heteroatoms, cycloalkyl interrupted by one or more heteroatoms, cycloalkylalkyl interrupted by one or more heteroatoms, each optionally substituted with R_1 and R_2 ;

L is selected from H, chlorine, fluorine, bromine, iodine, OH, O(alkyl), amine, alkyl, fluoroalkyl, amide, NO_2 , SH, $S(O)_n$ (alkyl), SO_3H , SO_3 alkyl, aldehyde, ketone, acid, ester, urea, Oalkylamide, Oalkylester, Oalkylacid, Nalkylacid, alkylamine, alkylamide, alkylketone, alkylacid, alkylester, alkylurea, Nalkylamide, Nalkylester, $NC(=O)$ alkyl, $NC(=O)$ aryl, $NC(=O)$ cycloalkyl, $NC(=O)$ cycloalkylalkyl, $NC(=O)$ alkylaryl, R_1 , R_2 , nitrile;

R_1 is selected from H, amine, alkylamine, amide, $C(=NH)NHNH_2$, $alkylC(=NH)NHNH_2$, $C(=NH)NHOH$, $alkylC(=NH)NHOH$, $NHC(=NH)NH_2$, $alkylNHC(=NH)NH_2$, $C(=S)NH_2$, $alkylC(=S)NH_2$, $C(=NH)alkyl$, $alkylC(=NH)alkyl$, $C(=NR_3)N(R_4)(R_5)$, $alkylC(=NR_3)N(R_4)(R_5)$;

R_2 is selected from H, chlorine, fluorine, bromine, iodine, OH, Oalkyl, amine, alkylaldehyde, alkylamide, alkylester, alkylketone, alkylacid, Oalkylamide, Oalkylacid, Oalkylester, aninealkylacid, aminealkylamide, aminealkylester, $NC(=O)$ alkyl, $NC(=O)$ aryl, $NC(=O)$ cycloalkyl, $NC(=O)$ alkylaryl, alkylamine, amide, aldehyde, ester, ketone, NO_2 , SH, $S(O)_n(C_{1-10}alkyl)$, SO_3H , SO_3 alkyl, CHO, acid, alkyl, $C(=NH)alkyl$, $C(=NH)NHNH_2$, $alkylC(=NH)NHNH_2$, $C(=NH)NHOH$, $alkylC(=NH)NHOH$, $NHC(=NH)NH_2$, $alkylNHC(=NH)NH_2$, $C(=S)NH_2$, $alkylC(=S)NH_2$, $alkylC(=NH)alkyl$, $C(=NR_3)N(R_4)(R_5)$, $alkylC(=NR_3)N(R_4)(R_5)$;

R_3 , R_4 , and R_5 are a hydrogen atom, alkyl group having 1 to 4 carbon atoms optionally interrupted by a heteroatom, or R_4 and R_5 are bonded to form $-(CH_2)_p-W-(CH_2)_q-$, wherein p and q are an integer of 2 or 3, a certain position on the methylene chain is unsubstituted or substituted by an alkyl group having 1 to 4 carbon atoms, W is a direct bond, $-CH_2-$, $-O-$, $-N(R_6)-$, or $-S(O)_r-$ wherein R_6 is H or alkyl, and r is 0 or 1 or 2;

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n is selected from 0, 1, 2;

X₁ is C or N;

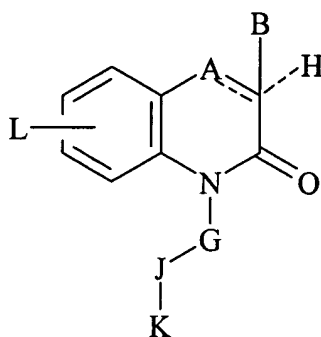
X₂ is C or N;

X₃ is C or N;

X₄ is C or N; and

--- represents an optional additional bond when A is N.

Claim 3 (amended). A compound according to Claim 1 wherein the compound is according to Formula III



III

or stereoisomers or pharmaceutically acceptable salts, esters, amides, or prodrugs thereof, wherein A is [N or Nalkyl, and] B, G, J, K, L, and --- are as defined above.

Claim 14 (amended). A compound which is:

[7-Chloro-1-(3-dimethylamino-propyl)-3-phenyl-1H-quinoxalin-2-one;

7-Chloro-1-(3-dimethylamino-propyl)-3-phenyl-1H-quinoxalin-2-one;

3-(4-Chloro-phenyl)-7-methoxy-1-(4-methoxy-phenyl)-1H-quinoxalin-2-one;

2(1H)-Quinoxalinone, 7-methoxy-1,3-bis(*p*-methoxyphenyl);

3-(3-Chloro-phenyl)-7-methoxy-1-(4-methoxy-phenyl)-1H-quinoxalin-2-one;

3-(4-Fluoro-phenyl)-7-methoxy-1-(4-methoxy-phenyl)-1H-quinoxalin-2-one;

3-(3,4-Dichloro-phenyl)-7-methoxy-1-(4-methoxy-phenyl)-1H-quinoxalin-2-one;

1-(2-Diethylamino-ethyl)-4-oxy-3-phenyl-1H-quinoxalin-2-one;
 1-(2-Diethylamino-ethyl)-4-oxy-3-phenyl-1H-quinoxalin-2-one;
 3-(2-Chloro-phenyl)-7-methoxy-1-(4-methoxy-phenyl)-1H-quinoxalin-2-one;
 3-(4-Bromo-phenyl)-7-methoxy-1-(4-methoxy-phenyl)-1H-quinoxalin-2-one;
 2(1*H*)-Quinoxalinone, 7-methoxy-1-(*p*-methoxyphenyl)-3-phenyl;
 7-Methoxy-1-(4-methoxy-phenyl)-3-(4-trifluoromethyl-phenyl)-1H-quinoxalin-2-one;
 2(1*H*)-Quinoxalinone, 1-methyl-3-phenyl-, 4-oxide;
 7-Methoxy-1-(4-methoxy-phenyl)-3-(3-trifluoromethyl-phenyl)-1H-quinoxalin-2-one;]
 7-Methoxy-1-(4-methoxy-phenyl)-3-*p*-tolyl-1H-quinoxalin-2-one [;
 3-(2-Fluoro-phenyl)-7-methoxy-1-(4-methoxy-phenyl)-1H-quinoxalin-2-one;
 1-(3-Diethylamino-propyl)-3-phenyl-1H-quinoxalin-2-one;
 7-Hydroxy-1-(4-hydroxy-phenyl)-3-phenyl-1H-quinoxalin-2-one;
 3-(4-Chloro-phenyl)-1-phenyl-1H-quinoxalin-2-one;
 2(1*H*)-Quinoxalinone, 1,3-diphenyl;
 1-[5-(2,6-Dimethyl-piperidin-1-yl)-pentyl]-3-phenyl-1H-quinoxalin-2-one;
 3-{4-[5-(2,6-Dimethyl-piperidin-1-yl)-pentyl]-1-methyl-3-oxo-1,2,3,4-tetrahydro-
 quinoxalin-2-yl}-N-hydroxy-benzamidine;
 3-{4-[5-(2,6-Dimethyl-piperidin-1-yl)-pentyl]-3-oxo-3,4-dihydro-quinoxalin-2-yl}-N-
 hydroxy-benzamide;
 3-(3-Amino-1H-indazol-5-yl)-1-[5-(2,6-dimethyl-piperidin-1-yl)-pentyl]-1H-
 quinoxalin-2-one; or
 2(1*H*)-Quinoxalinone, 1-[2-(diethylamino)ethyl]-3-[[4-(methoxy)phenyl]methyl]].

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